

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for implementing call forwarding in a mobile system comprising at least one forwarding exchange for carrying out call forwarding via one of several alternative types of lines on the basis of subscriber data related to the call forwarding, each type of line having different qualities, and at least one subscriber database for storing the subscriber data related to the call forwarding, the method comprising:

receiving at the forwarding exchange a call set-up message addressed to a subscriber in the mobile system;

performing a subscriber data request to the subscriber database;

transmitting a response message from the subscriber database to the forwarding exchange, the message comprising data indicating the call forwarding, a forwarding number and the basic service code, the basic service code indicating the then necessary properties of the line which should be selected; and

implementing call routing to the forwarding number by selecting one of said alternative types of lines based on the basic service code.

2. (Previously Presented) A method for implementing call forwarding in a mobile system comprising at least a first exchange for carrying out call forwarding via one of several alternative types of lines on the basis of subscriber data related to the call forwarding and at least one home location register connected to the first exchange for storing the subscriber data related to the call forwarding, each type of line having different qualities, the method comprising:

receiving at the first exchange a call set-up message addressed to a subscriber in the mobile system;

requesting routing information from the home location register;

transmitting a response message from the home location register to the first exchange, the message comprising data indicating the call forwarding, a forwarding number, and a basic service code indicating the basic service related to the call, and the necessary properties of the line which should be selected; and

implementing call routing to the forwarding number by selecting one of said alternative types of lines based on said basic service code.

3. (Previously Presented) A method according to claim 2, wherein the basic service code is forwarded from the home location register to the first exchange via an extension added to the response message Send_Routing_Info_RES to the routing information request.

4. (Previously Presented) A method for implementing call forwarding in a mobile system comprising at least one exchange for carrying out call forwarding via one of several alternative types of lines on the basis of subscriber data related to the call forwarding and at least one visitor location register for storing the subscriber data related to the call forwarding, each type of line having different qualities, the method comprising:

receiving at the exchange a call set-up message addressed to a subscriber in the mobile system;

providing a subscriber data request to the visitor location register connected to the exchange;

transmitting a response message from the visitor location register to the exchange, the message comprising data indicating the call forwarding, a forwarding number and a basic service code, the basic service code indicating the necessary properties of the line which should be selected; and

implementing call routing to the forwarding number by selecting one of said alternative types of lines based on the basic service code.

5. (Previously Presented) A home location register connected to a first exchange in a mobile system, wherein the home location register is arranged to transmit a basic service code to the first exchange in connection with a response message to a routing information request, the basic service code indicating the necessary properties of the line which should be selected from several alternative types of lines having different properties in routing the call.

6. (Previously Presented) A home location register according to claim 5, wherein the home location register is arranged to forward the basic service code to the first exchange by means of an extension added to the response message Send_Routing_Info_RES to the routing information request.

7. (Previously Presented) A first exchange in a mobile system, comprising means for transferring a call to a forwarding number via one of several alternative types of lines, each type of line having different qualities, wherein the exchange is arranged to derive a basic service code from the call-set up message or from a response message transmitted by the home location register to the first exchange in response to a subscriber data request, the basic service code indicating the necessary properties of the line which should be selected; and

the exchange is arranged to route the call to the forwarding number by selecting one of said alternative types of lines based on the basic service code.

8. (Previously Presented) An exchange according to claim 7, wherein the exchange is arranged to receive the basic service code in an extension added to the response message Send_Routing_Info_RES to the routing information request.

9. (Previously Presented) An exchange according to claim 7, wherein said forwarding number is the number of a Voice Mail Service center having several lines, and that said exchange is arranged to transfer the call to the Voice Mail Service center via a line selected for the transfer according to the basic service code.

10. (Previously Presented) An exchange according to claim 7, wherein the exchange is arranged to subject the forwarding number to a conversion selected according to the basic service code.

11. (Previously Presented) An exchange in a mobile system, comprising means for transferring a call to a forwarding number via one of several alternative types of lines, each type of line having different qualities, wherein the exchange is arranged to derive a basic service code from basic service data that indicates the basic service of the call and that is transmitted in connection with the call set-up message or a response message transmitted from the visitor location register to the exchange in response to a subscriber data request, the basic service code indicating the necessary properties of the line which should be selected, and

the exchange is arranged to perform routing to the forwarding number by selecting one of said alternative types of lines based on said basic service code.

12. (Previously Presented) An exchange according to claim 11, wherein the exchange is arranged to derive the basic service code at least on the basis of the bearer capability information element contained in the basic service data.

13. (Previously Presented) An exchange according to claim 11, wherein said forwarding number is the number of a Voice Mail Service center having several lines, and that said exchange is arranged to transfer the call to the Voice Mail Service center via a line selected for the transfer according to the basic service code.

14. (Previously Presented) An exchange according to claim 11, wherein the exchange is arranged to subject the forwarding number to a conversion selected according to the basic service code.

15. (Previously Presented) A method according to claim 1, wherein the basic service includes different call types for the subscriber and wherein the different call types have a single called party number.

16. (Previously Presented) A method according to claim 2, wherein the basic service includes different call types for the subscriber and wherein the different call types have a single called party number.

17. (Previously Presented) A method according to claim 4, wherein the basic service code indicates a basic service including different call types for the subscriber related to the call and wherein the different call types have a single called party number.

18. (Previously Presented) A first exchange according to claim 7, wherein the basic service code indicates a basic service including different call types for a subscriber related to the call and wherein the different call types have a single called party number.

19. (Previously Presented) An exchange according to claim 11, wherein the basic service includes different call types for a subscriber related to the call and wherein the different call types have
a single called party number.

20. (Previously Presented) A home location register according to claim 5, wherein the basic service code further indicates a basic service including different call types for the subscriber related to the call and wherein the different call types have a single called party number.

21. (Previously Presented) A home location register according to claim 5, wherein the necessary properties include at least one of line quality, line capacity and line cost.

22. (Previously Presented) A method according to claim 1, wherein the selecting of the alternative types of lines is based on at least one of line quality, line capacity and line cost.